# Islands in the Stream Expedition 2001 Field Season

**Dive Summary** 

# **Sampler** 9/8/2001

### Gray's Reef-Savannah Scarp, Islands in the Stream

#### Overview of Dive Clelia-625 at Sampler

Tim Askew Jr. piloted this dive at the site known as Sampler (31.51237 /-78.28214) on 9/8/2001 starting at 15:07:20. Total dive time was 3:05:22 and the maximum depth reached was 230 feet. Scientific observers were Jill Jennings and Joshua Loefer. (All times EST)

Dive Objectives. Objectives accomplished during the dive include:

Fish Assessment	Primary
Filming	Primary
Sample Collection	Secondary
Education/Outreach	Secondary

#### Data Collected. Types of data collected during the dive include:

CTD/Data Sonde

Tracking		
Rock Samples	1	
Sediment Samples	1	
Fish	2	1 yellowtail reef fish, and 1 clwon wrasse
Digital Video Tapes	1	
Digital Video Tapes	1	
Digital Video Tapes	1	

#### **Living Marine Resources Abundance**

few 2-10; many 11 - 100; abundant >100

Pelagic Fish		Other Benthic	Many
Bottom Fish	Many	sponges	
Crustacean	Few		
Mollusk	Few		
Echinoderm	Many		

Observations and Comments on Living Marine Resources:

#### **General Comments**

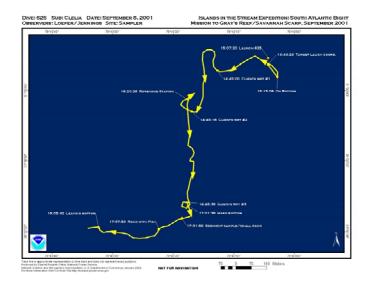
None.



Prepared by : National Oceanic and Atmospheric Administration 9/19/2001

#### **Dive Track Description**

Dive started on flat sandy bottom. it took us a long time to find hard bottom. The rocks were sparse. However, when we did locate one, it was relatively small and utilized by one to many small fish. These small areas of hard bottom were usually separated from the nearest hard bottom area by 15-20 ft. The largest area of hard bottom encountered during the dive was of extremely low relief (<1ft.). There was relatively little vertical invertebrate cover on live bottom and was dominated by sponges. Relief of features observed during the dive ranged from to <1 meters.



## **Observed Human Activities**

None Observed.

#### **Observed Human Impacts**

Discarded Gear

Garbage

#### **Overall Dive Site Ratings**

1 = low; 10 = high

Uniqueness	5
Health	3
Disturbance	3
Biodiversity	4

# **Observed Fish Abundance**

few 2-10; many 11 - 100; abundant >100 Centropristis Ocyurus Many Chaetodon Aya Many Chaetodon Ocellatus Many Chaetodon Sedentarius Many Chromis Enchrysura Many Cyclopsetta Fimbriata Few Epinephelus Niveatus Many Gymnothorax sp. Few Hemanthias maculipina Few Holacanthus Bermudensis Single Lutianus Campechanus Few Mycteroperca Microlepis Single Mycteroperca Phenax Many Opsanus Pardus Single Few Pagrus Pagrus Priacanthus Arenatus Few